

U.S. ENVIRONMENTAL PROTECTION AGENCY
 POLLUTION/SITUATION REPORT
 Hurricane Sandy - Polrep/Sitrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region II

Subject: SITREP #32
 Operations Continue
 Hurricane Sandy
 Edison, NJ
 Latitude: 40.4494047 Longitude: -74.4379073

To: Michael Hoppe, USEPA Region 02, ER RD-RPB

Thru: REOC Deputy Regional Incident Coordinators,
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 Bonnie Hriczko (NY)
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From: REOC Situation Unit Leader,
 Keith Glenn (Day Operations)
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Date: 11/28/2012

Reporting Period: 0700 hrs 11/28/12 thru 1900 hrs 11/28/12

Executive Summary

Executive Summary

EPA activities in response to the aftermath of Hurricane Sandy continue in New Jersey and New York.

In NJ, recovery crews deployed to East Brunswick, Woodbridge, and Belford to retrieve orphaned containers. Boat operations in the Navasink River are expected to commence in the next operational period, in efforts to collect materials located in areas inaccessible via foot. This activity is scheduled to last several days.

Container staging and waste processing continued at the Lakewood and Edison facilities. Several companies identified by container labels have been contacted and most have come to retrieve their items.

In Staten Island, NY EPA operations were completed at the Unified Command with the USCG Sector New York. Following 19 days of shoreline assessment and container identification support, EPA contractors are no longer needed to assist in matters. EPA will reassess the need of EPA support following any additional requests from USCG.

In NYC, recovery crews continued the collection of HHW and orphaned containers throughout Brooklyn, Queens, and Staten Island. An assessment team deployed to Rockland County to determine any recovery or response needs. No EPA support is necessary nor was any requested.

Work at the Father Capodanno staging area has been completed and all equipment and wastes have been transferred to the Fresh Kills Landfill staging area. Fresh Kills remains the sole operating waste collection and processing facility in Staten Island. At Riis Park, EPA continues to work out an access agreement with National Parks Service in efforts to move the pad to a safer location. Sand located at the Riis Park location will be sifted and hauled for reuse at locations throughout NYC, however use of sand at Mariner's Marsh has not been finalized.

The test burn at Floyd Bennett Field commenced at ~0730 hours. Wood chips were introduced into the air curtain burner at ~1530 hours, however this generated a great amount of smoke and decreased the air quality in the area. The burn was suspended following this and an additional attempt will commence in the next operational period. Officials are now reviewing alternatives given the results of the test burn and economic impact that burning at new projected rates will have.

In Nassau County, collection and recovery of materials are scheduled to conclude following the December 2, 2012 operational period.

In Suffolk County, consolidation of the staging facilities in Islip, Patchogue, and Riverhead into the Babylon facilities should occur by close-of-business December 2, 2012.

The total number of containers of hazardous materials collected in NY and NJ to date is 81,664.

1. Introduction

1.1 Background

| | |
|---|--|
| Site Number: | Contract Number: |
| D.O. Number: | Action Memo Date: |
| Response Authority: Stafford Act | Response Type: Emergency |
| Response Lead: FEMA | Incident Category: Removal Action |
| NPL Status: Non NPL | Operable Unit: |
| Mobilization Date: 10/29/2012 | Start Date: 10/29/2012 |
| Demob Date: | Completion Date: |
| CERCLIS ID: | RCRIS ID: |
| ERNS No.: | State Notification: |

1.1.1 Incident Category

Hurricane Disaster Response

1.1.2 Site Description

1.1.2.1 Location

Ten counties were originally declared eligible for Public Assistance in New Jersey: Atlantic, Cape May, Essex, Hudson, Middlesex, Monmouth, Ocean, Somerset, Bergen, and Union. On November 5, 2012 FEMA declared the remaining New Jersey counties eligible for public assistance: Cumberland, Salem, Gloucester, Camden, Burlington, Mercer, Hunterdon, Warren, Morris, Sussex, and Passaic. Nine counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Westchester, and Suffolk. On November 14, 2012 FEMA declared an additional 4 counties eligible for Individual and Public Assistance: Orange, Putnam, Sullivan, and Ulster.

1.1.2.2 Description of Threat

Releases of oil and chemicals as a direct result of high winds and flooding. Damage to facilities located within the impacted area have the potential to transport containers, waste, and process equipment that may contain hazardous materials. High winds from hurricane Sandy have caused transformer poles to fall and substations to catch fire and cause additional hazards throughout communities. Storm surges along the coast line and inner waterways have moved sand, sediments, and sludge into residential and business properties. Several coastal communities have reported widespread devastation.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Preliminary Removal Assessments and Site Inspections were not formally conducted at all EPA sites. Project managers took numerous steps at Superfund Sites in efforts to prepare for Hurricane Sandy. Damage assessments at Removal and Remedial Sites were conducted by RPMs, OSCs, and other agency personnel. Any issues at sites as a result of Hurricane Sandy have been resolved.

1.2 Incident Objectives

Incident Objectives

- 1) The health and safety of our responders is the highest priority.
- 2) Ensure health and safety of the public by conducting environmental assessments, controlling hazards, and operating in accordance with the approved site safety and quality assurance sampling plans.
- 3) Assess needs and support the sustained operation of public drinking water facilities impacted by the storm. This is the agency's current operational priority. Assess needs and support the sustained operation of waste water facilities impacted by the storm.
- 4) Conduct aggressive air, ground and water recon and investigation activities to identify active and potential pollution targets, as well as confirm extent of hurricane damage to oil and chemical facilities and critical infrastructure.
- 5) Rapidly control, contain and mitigate all sources of pollution threatening or impacting public health and the environment, to include the navigable waterways. Coordinate actions with the States.
- 6) Manage a coordinated response effort with local, state, federal and industry partners and ensure adherence to policies, practices and plans of each. Assure that all stakeholders are informed of response activities and enhance proactive media and community outreach programs.
- 7) Manage a financial system that ensures accurate, efficient and effective accounting of resources continually monitor ESF #10 funds and adjust operations as needed.
- 8) Pursue and deploy any resources needed to support and sustain agency missions.

1.3 Critical Resource Needs

Critical Resource Needs

Critical Needs to maintain operational status and projected operational goals are being coordinated through the Resource Unit Leader. EPA is working closely with local, state, and federal partners to coordinate critical needs of facilities that have been impacted. Liaison Officers in the FEMA JFOs continue to coordinate with other ESF partners on addressing needs.

1.4 Strategic Considerations

Strategic Considerations

- 1) Develop work products, deliver necessary briefings, and arrange field oversight to ensure the health and safety of responders.
- 2) Ensure staffing adjustments meet current operational needs.
- 3) Provide direct work and/or technical support to collect HHW.
- 4) Provide technical assistance to local and State governments on debris removal, including options to maximize recycling and composting.
- 5) Coordinate efforts with States to identify needs and resolve issues.
- 6) The PVSC and MUCA waste water facility responses are a high priority.
- 7) Assure timely and accurate data management to enhance the operational function of the ESF #10 response effort with a high emphasis on drinking water and waste water reporting.
- 8) Accurately document ESF #10 response actions and ensure it is captured in appropriate official repositories.
- 9) Support the regional and national public affairs needs to provide effective messaging.

2. Current Activities

2.1 Operations Section

DIVISION NEW JERSEY

Eight counties were initially declared eligible for Public Assistance in New Jersey. Two additional counties, Cumberland and Hudson, were added on November 3, 2012. On November 5, 2012 FEMA declared all remaining New Jersey counties eligible for Public Assistance.

NEW JERSEY RESPONSE ACTIONS

Field operations were focused on providing continued support by the Waste Water Assessment Teams to two large waste water treatment facilities in Middlesex and Essex Counties and Mitigation Support efforts in Monmouth, Ocean, and Middlesex Counties; Water and Hazmat Assessment activities were suspended for this operational period.

Wastewater Facilities (NJ)

Passaic Valley Sewerage Commission (PVSC)

PVSC continues to work on the repair and/or replacement of equipment and electrical systems throughout the facility, and is making significant progress towards restoration of the facility's pre-storm removal efficiencies.

- Three of the twelve Zimpro reactors are currently available for sludge treatment, and one is now operating on sludge. Sludge containing grit is being processed through the temporary centrifuges before feeding the de-gritted sludge to the additional available Zimpro reactors.
- Two filter presses are now in operation.
- PVSC received delivery of polymer and lime for the permanent dewatering centrifuges today. It is anticipated to start feeding them sludge during the next operational period.
- Synagro continues to operate the ten mobile dewatering centrifuges.
- Recent PVSC TSS removal efficiencies: 11/24 = 94%, 11/25 = 91%, 11/26 = 94%, and 11/27 = 89%.

USEPA's ERRS contractors continue power-washing operations at the facility. These operations are being conducted in coordination with PVSC to augment PVSC's cleanout of the impacted tunnels and basements as a means of re-energizing pumps, motors and electrical systems. During this operational period, USEPA H&S staff were on-site to conduct a routine safety audit of the activities. ERRS will continue power-washing operations in coordination with PVSC personnel. It is currently estimated that power washing operations will continue through December 15, 2012.

At USEPA's request, PVSC has provided a preliminary estimate of \$120 million for implementing provisions (e.g., independent power source, levees, etc.) to avoid a catastrophic shut-down during possible future flood events. EPA will continue to coordinate recovery efforts with PVSC and NJDEP during restoration of PVSC's treatment status to pre-hurricane efficiencies.

The USEPA ERT continues to maintain perimeter and off-site air sampling stations for the possibility of fugitive hydrogen sulfide (H₂S) emissions during Synagro's operation of the mobile centrifuges. ERT also continues to conduct H₂S monitoring in close proximity to Synagro's dewatering operation. Pending no change in the current situation, EPA will discontinue air monitoring activities on November 29, 2012. No changes to Synagro's operational practices have been required.

Middlesex County Utility Authority (MCUA)

USEPA continued steam-washing activities at the Sayreville Relief Pump Station (SRPS). The cleaning crew is utilizing scissor lifts to reach the higher elevations of the bottom room of the SRPS. It is anticipated that the SRPS cleaning will be completed in approximately 8 to 10 days.

Pumping Status:

MCUA continues to take all measures to minimize pumping to the Washington Canal (a tributary of the Raritan River System). However, due to increased flow caused by the rain event, MCUA was forced to discharge to the canal from approximately 1850 EST on November 27 until 0300 EST on November 28 to prevent overflow at Weber Avenue. This minor rain event highlights the tenuous situation and the need for the wet weather bypass system to protect the pump station from being overwhelmed by storm flow.

Pump Station Repair Status:

The repair schedule is still being refined; however, it is still anticipated that the first Sayreville station pump will be installed in the Original Sayreville Pump Station (OSPS) by December 7, 2012. That pump will provide a more permanent 40 MGD flow capacity in the system.

MCUA officials met with FEMA representatives yesterday to discuss the status of MCUA's Request for FEMA Public Assistance funding. Emergency, temporary, and long-term permanent repair/mitigation upgrade funds were discussed. To that end, FEMA has released an initial payment of Sandy-related funds to the MCUA to cover some emergency expenses incurred.

FEMA Administrator and NJDEP Commissioner visited the Sayreville Pump Station today. FEMA expressed interest in doing a joint FEMA-USEPA story to highlight the success of the dive operation and the interagency cooperative effort to complete it.

Mitigation Team (NJ)

Three mitigation teams were deployed to Ocean, Monmouth, and Middlesex counties. A summary of their support activities is included below by individual team.

One mitigation team traveled to the Lakewood Pad. The team observed and documented items recovered in Monmouth County. EPA is currently contacting owners of recovered material identifiable by information on the drums to schedule pickup and removal from the pad. In the current operational period, Bel Ray Co., MGS Propane, and NCO2 Inc. retrieved materials. The cutting operations for empty drums being performed by ERRS contractors was inactive during this operation period.

A second team recovered hazmat items from locations in East Brunswick and Woodbridge in Middlesex County. Hazmat materials at additional locations are scheduled for recovery in the next operational period.

A third team began recovering hazmat items from 22 newly assessed and identified locations in the area of the Belford Seafood Co-op in Monmouth County. These items have been approved for removal by the state and will be removed and the locations closed by November 30. Boat operations to reach locations including Shrewsbury, Swimming Creek, and Matawan waterways inaccessible by foot/motor vehicles are scheduled to begin in the next operational period.

| New Jersey Hazardous Waste Summary * | | | | | | | | |
|---------------------------------------|------------|------------------|-----------|--------------------------|------------------|---------------------------------|---------------------|----------------------------------|
| Operational Period: 11/28/2012 | | | | | | | | |
| Location | Drums | Propane Tanks | Cylinders | Containers (6-54 Gal) | Other (Large) | Small Containers (<5 gal) | Op-Period Totals | Location Cumulative Totals |
| Edison Staging Area | 14 | 0 | 0 | 0 | 0 | 0 | 14 | 23 |
| Lakewood Staging Area | 6 | 0 | 1 | 0 | 3 | 0 | 10 | 191 |
| Vineland Container Storage Facility** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| Daily Total | 24 | | | | | | | |
| Cumulative Total | 238 | | | | | | | |

* All Counts Based on Initial Intake Locations. ** Staging areas are no longer collecting/managing HHW.

NEW YORK RESPONSE ACTIONS

New York City Assessment Teams (NY)

At USCG Sector New York Unified Command, two EPA contractors and one OSC were onsite to assist USCG with hazmat assessments and collection in Raritan Bay (Matawan Creek) and Sandy Hook Bay (Ware Creek), NJ today. EPA continued to coordinate with USCG, NJDEP, NYSDEC, and NYCDEP. The USCG assessment teams have completed their assessments and will no longer require EPA's participation in the Unified Command as of close of business today. EPA will continue to be available if the need arises.

An EPA recovery team conducted boat operations on the northeast side of Jamaica Bay. EPA is coordinating boat operation activities with the Jamaica Bay Unit Resource Advisor of Gateway National Park.

An EPA assessment team conducted reconnaissance in the LIDAR storm surge areas on the east side of the Hudson River from Yonkers to Peekskill. This included Westchester County and a small area of Putnam County. No HHW or orphaned containers were identified in these areas. Binoculars were used in some areas to observe extensive area of the coastline in the more northern grids. Normal operations have resumed. No need for EPA to return to these areas.

EPA recovery teams continued HHW curbside collection activities in storm affected areas in Breezy Point, Rockaways; North Coney Island, Brooklyn; and Staten Island. Four locations were assessed and closed in Staten Island during this operational period.

NYC Debris Management Plan

The test burn at Floyd Bennett Field commenced shortly after 0730 hours during this operational period. Loading and burning of woody debris occurred for several hours while volumes were adjusted to correspond to appropriate opacity threshold levels. Commencement of wood chip burning occurred at ~1530 hours. After six loads of mulched wood chips were added, opacity levels quickly increased and air quality in the area diminished. The burn was stopped for the day. EPA continued to provide real-time air monitoring of the area before, during, and following the burn. NYC OEM has the VIPER module on display at the EOC.

Following the conclusion of the test burn, calculations were updated to determine the amount of chips that can be burned without exceeding thresholds established by regulatory and assisting agencies. Although a burn is scheduled to occur in the next operational period, additional focus has now been placed on reuse of the chips given the new economic impact from burning. Permission has been granted by the USDA, NJ Department of Agriculture, and NY Department of Agriculture for three different wood recycling facilities to process and utilize the wood. One such firm has indicated the acceptance of all 100,000 cubic yards of material, however it can only remove up to 2,000 cubic yards of wood chips per day.

Commencement of sand sifting will occur in the next operational period, along with trucking of sand to various locations throughout NYC. It is still undetermined if material will be transported to Mariners Marsh Park. Sand located in Coney Island has been approved to be utilized under boardwalks for beach replenishment purposes.

Given the expeditious rate of debris removal from Riis Park, it is anticipated that all debris will be removed by December 7, 2012. This has caused a re-evaluation of the need to barge debris away from this location, and will most likely not occur.

EPA has been requested to review a plan in draft for dealing with vehicles and boats damaged by Hurricane Sandy. More than 2,000 vehicles have been placed in temporary staging areas. Hopes to have the vehicles and boats recycled and disposed of in an environmentally friendly way are being discussed.

Plans continue to be developed regarding the demolition of private property in NYC. ACE has indicated that NYCDEP wishes to handle the fuel oil from the properties and EPA to dispose of HHW from the locations.

On Fire Island, EPA met with NPS to discuss potential EPA activities. It was decided that NPS will take care of all HHW and debris on the island. There are no accessible roadways in the residential parts of Fire Island; access to this area can only be obtained via boat or helicopter. Of the 1,400 homes on Fire Island, approximately 500 homeowners have been back to survey the damage to their property. Being that it is a seasonal community, many homeowners have caretakers during the winter. Contractors are emptying the contents of the homes and removing the debris from the island and taking it to an unknown location. EPA is still formulating a Public Information Plan in an effort to educate the property owners about the need to separate HHW from regular debris. EPA is still formulating a recovery plan for the materials.

Jacob Riis Park (Queens)

The Riis Park pad continued to receive HHW from curbside pickup crews. EPA recovery teams continued HHW curbside collection activities in storm affected areas the Rockaways and Coney Island. Today the Riis Park pad was visited by representatives from NYCDEP and the Mayor's Office of Environmental Coordination. The OSC described activities being conducted at the pad.

The Riis Park staging area is planning for the disposal of accumulated HHW from the pad.

National Park Service (NPS) has proposed an access agreement for EPA's use of the football field property on the eastern side of Riis Park for HHW container collection and staging. NPS is working with EPA's Office of Regional Council (ORC) to solidify the agreement. The agreement has not been signed due to a significant clause from the NPS, thus delaying the establishment of the pad.

Fresh Kills Landfill (Staten Island)

Operations continued as normal. Fresh Kills staging area continued to receive packaged one-cubic yard boxes of HHW from the Father Capodanno collection site for labeling and off-site shipment to selected disposal facilities. During the operational period, 28 one-cubic yard boxes (20,420 lbs.) of non-regulated/non-hazardous latex paint were shipped to Ontario County Landfill, Stanley, NY for disposal. Blue Rhino picked up 245 propane tanks (22 lbs.) for reclamation/recycling.

Father Capodanno (Staten Island)

HHW staging operations at Father Capodanno Park debris area has been suspended. All HHW collected at curbside is now being transported straight to Fresh Kills Landfill. The relocation is expected to be completed within the next operational period.

Nassau County

EPA continued to work with NYSDEC and local officials in responding to reports of orphaned containers primarily along the waterfront in Long Beach. EPA recovery teams continued HHW curbside collection in storm affected areas and orphaned container collection activities in the main land and bays south of Sunrise Highway. All HHW collected is being logged at the staging pad in Nickerson Beach. All curbside collection of HHW and orphaned containers are scheduled to be completed by close of business December 2, 2012. Bulking, packaging and disposal of materials will continue following that date.

Suffolk County

EPA recovery teams continued utilizing four HHW staging pads in Babylon, Riverhead, Islip, and Patchogue for HHW and orphaned container collection and drop-off. HHW curbside collection continued in Babylon but was suspended in Islip, Riverhead and Patchogue due to minimal collection on daily runs. It is anticipated that pad operations at these three locations will be suspended close of business December 2, 2012, and suspended at Babylon close of business December 14, 2012.

| New York Hazardous Waste Summary * | | | | | | | Operational Period: 11/28/2012 | |
|--|--------------|---------------|-----------|-----------------------|---------------|---------------------------|--------------------------------|----------------------------|
| Location | Drums | Propane Tanks | Cylinders | Containers (6-54 Gal) | Other (Large) | Small Containers (<5 gal) | Op-Period Totals | Location Cumulative Totals |
| Cedar Grove Staging Area** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 284 |
| Fr. Capadano Park, Staten Island | 1 | 4 | 14 | 0 | 0 | 192 | 211 | 7208 |
| Fresh Kills Landfill Plant #1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 361 |
| Fresh Kills Landfill Plant #2 | 0 | 0 | 0 | 1 | 2 | 9 | 12 | 2642 |
| Islip Multipurpose Recycling Facility | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 740 |
| Jacob Riis Park, Queens, NY | 0 | 22 | 3 | 0 | 0 | 759 | 784 | 15224 |
| Nickerson Park# | 0 | 8 | 13 | 0 | 0 | 2835 | 2856 | 37795 |
| Old Bethpage Landfill and Recycling Center** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5538 |
| Patchogue WWTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 565 |
| Patchogue WWTP (Mastic Beach) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 968 |
| Riverhead Collection Area | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130 |
| Port of Coeymans** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 |
| Venetian Shores Park | 0 | 4 | 4 | 1 | 3 | 301 | 313 | 9870 |
| Daily Total | 4176 | | | | | | | |
| Cumulative Total | 81426 | | | | | | | |

| Cumulative Hazardous Waste Summary * | | | | | | | Operational Period: 11/28/2012 | |
|--------------------------------------|-------|---------------|-----------|-----------------------|---------------|---------------------------|--------------------------------|------------------|
| Location | Drums | Propane Tanks | Cylinders | Containers (6-54 Gal) | Other (Large) | Small Containers (<5 gal) | Op-Period Totals | State Cumulative |
| New York | 1 | 38 | 34 | 2 | 5 | 4096 | 4176 | 81426 |
| New Jersey | 20 | 0 | 1 | 0 | 3 | 0 | 24 | 238 |
| Op-Period Totals | 21 | 38 | 35 | 2 | 8 | 4096 | 4200 | |
| Cumulative Totals | 382 | 1794 | 1129 | 461 | 136 | 77762 | | |
| Daily Total | 4200 | | | | | | | |
| Grand Cumulative | 81664 | | | | | | | |

* All Counts Based on Initial Intake Locations. ** Staging areas are no longer collecting/managing HHW.

REGULATED FACILITIES

EPA has completed assessments of facilities regulated under SPCC, FRP, and RMP programs. Several facilities were found to be impacted by Hurricane Sandy and have been reported previously, such as Motiva, Phillips 66 Bayway, Alden Leeds, and Kinder Morgan Carteret. These facilities are currently being addressed by state and/or federal partners and need no additional EPA assistance at this time. No other facilities were found to be impacted needing EPA assistance. No further reporting of SPCC, FRP, and RMP facilities will be done unless significant operations or actions by EPA are required or requested.

RCRA Corrective Action Group has completed inspections of all identified facilities within NY State. Any issues or violations are being addressed through normal regional operations unless specified elsewhere in the SitRep. Facility inspections in NJ have been suspended until further notice.

DECA Information for 11/28/12 Situation Report

Underground Storage Tanks:

Summary of DECA UST personnel in field: 11/28/12:

2 teams of 2 UST inspectors will be in the field on 11/28/12 assessing sites in Orange, Putnam, Sullivan, and Ulster Counties.

Summary of Site Assessments: Up to 11/27/12: Total of 547 UST assessments completed, 165 require follow up assessments and/or compliance inspections. 139 assessments are federally regulated UST facilities in Evacuation Zone A areas of Staten Island, Queens/Rockaways, Bronx, and Brooklyn/Coney Island, 5 of the NYC assessments are > 50,000 gallon backup generator USTs on Staten Island and Lower Manhattan; 286 assessments are federally regulated USTs at retail and non-retail facilities in the storm surge zone of Nassau County; 66 assessments are federally regulated USTs at retail and non-retail facilities in the storm surge zone of Suffolk County; 23 assessments are federally regulated USTs at retail facilities in the storm surge zone of Westchester County; 4 assessments are retail USTs in the storm surge zone of Rockland County; 28 assessments are facilities within 0.5 miles of the Hudson River or its major tributaries in Orange, Putnam, and Ulster Counties. There are no new major findings to report.

| CUMULATIVE |
|------------|
|------------|

| | | NYC | Nassau | Suffolk | Westchester | Rockland | Upstate* | Total |
|---|---------|-----|--------|---------|-------------|----------|----------|-------|
| Universe | | 139 | 291 | 68 | 26 | 4 | 79 | 614 |
| No Power | | 30 | 31 | 4 | 1 | 0 | 0 | 66 |
| Storm Damaged Facility | | 49 | 92 | 21 | 4 | 2 | 2 | 170 |
| Storm Damaged UST | Yes | 18 | 13 | 4 | 2 | 1 | 1 | 38 |
| | Unknown | 22 | 63 | 5 | 2 | 1 | 8 | 102 |
| UST Spills | | 6 | 13 | 1 | 0 | 0 | 0 | 20 |
| Facility Not Operating | | 34 | 78 | 7 | 0 | 3 | 4 | 122 |
| Facility Was Flooded | | 68 | 133 | 27 | 11 | 3 | 2 | 244 |
| Require Follow-up | | 50 | 98 | 8 | 6 | 2 | 1 | 165 |
| Total Visited | | 139 | 286 | 66 | 23 | 4 | 28 | 547 |
| *Orange, Putnam, Sullivan and Ulster Counties | | | | | | | | |

Large Quantity Generators (LQG):

Summary of DECA LQG personnel in field on 11/28/12:

2 teams of 2 LQG inspectors will be in the field on 11/28/12 assessing sites.

Summary of LQG Site Assessments: Up through 11/27/12: There were no issues that require further EPA assessment identified on 11/27/12.

| State | Universe | Visited | Reached via phone | Issues Requiring EPA Assessment |
|---|----------|---------|-------------------|---------------------------------|
| NY | 96 | 68 | 6 | 0 |
| NJ | 404 | 0* | 8 | 0 |
| *EPA assessments on hold at the request of NJDEP. | | | | |

Air Major Facilities in NY:

Summary of DECA Air personnel in field on 11/28/12:

3 air inspectors will be in the field on 11/28/12 assessing sites.

Summary of CAA Majors Facility Assessments: Up through 11/27/12: There were no issues that require further EPA assessment identified on 11/27/12.

| State | Universe | Visited | Issues Requiring EPA Assessment |
|---|----------|---------|---------------------------------|
| NY | 200* | 71 | 3^ |
| * Universe increased to include additional facilities. Original universe of 39 was Evacuation Zone A.^Issues identified at Sims Metal East, LLC Queens Plant and Gershow Recycling of Brooklyn Inc. (11/20/12 Situation Report), and Bronx Metal Recycling (11/27/12 Situation Report). | | | |

Summary of PCB Facility Assessments:

Assessments have not identified any outstanding issues requiring EPA response. Below is an update on the two PCB releases in the 11/27/12 Situation Report that were reported by Orange and Rockland Electric Utilities, Inc.

NY Reported Transformer Releases* In the Affected Area Oct. 29, 2012 – Nov. 28, 2012

Orange and Rockland Electric Utilities, Inc. had two transformer oil spills from the storm which involved PCB contaminated oil:

(1) 315 N. Shore Dr., Wurtsboro, Sullivan County, NY. NYSDEC Spill # 1208048.

Two gallons of oil spilled which tested at 89 ppm PCBs. Impact to asphalt and grass. Allstate Powervac performed a PCB cleanup by excavating grass area and cleaned road including a double wash/rinse procedure. Waste was disposed of at a TSCA PCB permitted TSDF.

(2) East Crescent & Column Ct, Ramsey, Bergen County, NJ. NJDEP Spill # 11-12-11-0508-57

One gallon spilled which tested at 183 ppm PCBs. Impact to asphalt and soil. Allstate Powervac performed a PCB cleanup by excavating soil area and cleaned road including a double wash/rinse procedure. Waste disposed of at a TSCA PCB permitted TSDF.

NYSDEC Spill Incidents Database

| | Universe* | Positive for PCBs | Negative for PCBs | Unknown for PCBs |
|-----------|-----------|-------------------|--|------------------|
| TOTAL | >786 | 0 | 11 | >775 |
| Bronx | 12 | | | |
| Brooklyn | 15 | | | |
| Manhattan | 22 | | 2 incl 1 substation release of 1,300 gals. | |
| Nassau | 95 | | | |
| Orange | 77 | | 2 | |
| Putnam | 15 | | 1 | |

| | | | | |
|-----------------|-----|--|---------------------------------------|--|
| Queens | 25 | | | |
| Rockland | 75 | | | |
| Staten Island | 38 | | 1 - Substation release of 1,000 gals. | |
| Suffolk | 43 | | | |
| Sullivan | 31 | | 4 | |
| Ulster | 21 | | | |
| Westchester | 302 | | 1 | |
| Address unknown | 15 | | | |

* There were several entries which stated that multiple poles/transformers were involved.

NRC Incident Database

| | Universe | Positive for PCBs | Negative for PCBs | Unknown for PCBs |
|---------------|-----------|-------------------|-------------------|------------------|
| TOTAL | 86 | 2 | 7 | 77 |
| Bronx | 3 | | | 3 |
| Brooklyn | 4 | 1* | | 3 |
| Manhattan | 1 | | | 1 |
| Nassau | 9 | 1^ | | 8 |
| Orange | 1 | | | 1 |
| Putnam | 0 | | | 0 |
| Queens | 8 | | 2 | 6 |
| Rockland | 6 | | 1 | 5 |
| Staten Island | 7 | | | 7 |
| Suffolk | 2 | | 1 | 1 |
| Sullivan | 2 | | | 2 |
| Ulster | 0 | | | 0 |
| Westchester | 43 | | 3 | 40 |

* Caller stated that apx. 50 gals. of an unknown oil with a high PCB content was discovered in a manhole. Caller stated that the PCB content was 11,120 ppm.

^ Caller stated that a transformer fell and discharged an unknown amount of transformer oil. Caller stated that the public utility service stated that they would not touch the oil because it contained PCB content.

NJ Reported Transformer Releases#

| Universe | Confirmed PCB Release | Unknown for PCBs | Non-PCB |
|----------|-----------------------|------------------|---------|
| 72 | 2 | 36 | 34 |

#We are unable to gain access to NJDEP's internal RTK database in order to update this information.

| Registered PCB Waste Handlers: Generator, Storage and Disposal Facilities in the Affected Area | | | | |
|--|----------------|-----------|----------|---------|
| State | Universe | Contacted | Reached* | Release |
| NJ | 1 disposal | 1 | 1 | No |
| | 10 storage | 10 | 4 | No |
| | 157 generators | 0 | 0 | -- |
| NY | 5 storage | 2 | 2 | No |
| | 72 generators | 66 | 30 | No |

* We are continuing to contact NY facilities by telephone and will make a site visit to any facility not reached by telephone.

2.2 Planning Section

PLANNING

The Planning Section continues to organize operational status reports, plan for the next operational period, and assist with needs in support of operations. The utilization of FlexViewer continues to grow as more regulatory programs commence and continue assessments. EPA personnel working in various regional offices are able to view data, generate maps, and become aware of the Common Operating Picture. ASPECT imagery has been uploaded and is being used to determine additional areas of assessment for drinking water facilities, wastewater facilities, HHW reconnaissance points, orphaned container recovery efforts, location of EOCs, potential staging areas, etc. This imagery will also be used when assessments to determine changes of the NJ and NY coast lines commence.

The Environmental Unit

1. Ambient Water Sampling

Newark Bay/NY Harbor - As requested by NJDEP sampling is planned for Thursday November 29, 2012 using EPA Vessel Clean Waters to reassess bacteria levels in surface water. EPA Region 2 will be sampling the same locations previously sampled on November 24, 2012. Validated data will be provided to the EU for review then released to NJDEP.

2. PVSC Air Monitoring

On November 28th, 2012, EPA returned to the Passaic Valley Sewerage Commission (PVSC) Facility for the continued management of the H2S monitoring for the sludge de-watering process. No overnight alarms were observed on the H2S monitors, although one instrument went down for a few hours due to cell phone

issues but was able to monitor thru the evening. Batteries were switched out for those monitors that were running on a marine battery. As of 1423 ET, all ten (10) site monitors are in operation, no exceedances to report.

In addition, EPA ERT performed H2S screening during site operations. Values of 7 and 14 ppb were obtained on the north side of the operations area and values of 38 and 17 ppb were observed on the south side of the operation area.

3. Floyd Bennet Field Perimeter Air Sampling

On November 28, 2012 at approximately 8:13am the test burn was initiated. EPA collected samples for VOCs, PAHs, metals, and dioxins at the perimeter monitoring locations. PM 2.5 monitoring is being conducted continuously on site at the perimeter monitoring locations.

The analytical results are still pending for the samples collected for dioxin analysis on November 25. There was a delay in shipping by the carrier, results are now expected on December 5.

The EU is working with the PIO and APB on the messaging and the data array of the PM2.5 monitoring data collected prior to the test burn and during the test burn for anticipated public release. Risk assessors have been brought on board through the environmental unit for data review and evaluation of samples collected for VOCs, PAHs, metals, and dioxins prior to the test burn. The EU has requested the data management unit to begin compiling data for the PM 2.5 monitoring prior to the burn and during the test burn for evaluation and graphing.

2.3 Logistics Section

Logistics

Logistics has been maintaining lodging tracking and updating the lodging tracking sheet accordingly. Finding lodging for personnel in the Long Area area to date has been a challenge. Logistics is working with EZpass and GSA vehicles including updating tracking information.

2.4 Finance Section

FINANCE

EPA continues to track costs and monitor funding levels against FEMA Mission Assignments. Current Mission Assignments and Estimated Expenditures and Daily Cost Burn as of 11/28/2012 @ 1330 hours:

| Region, State | Agreement #, Current Expiration Date | Initial Agreement Date | Agreement Amount | Costs Incurred To Date | Estimated Burn Rate (\$/day) | Purpose |
|----------------------|--------------------------------------|------------------------|------------------|------------------------|------------------------------|---|
| Region 2, New Jersey | 4086DR-NJ-EPA-01, Expires 12/13/12 | 10/31/2012 | \$400,000.00 | \$348,943.34 | \$12,032.53 | ESF-10 EOC deployment and assessment assistance in NJ |
| Region 2, New Jersey | 4086DR-NJ-EPA-02, Expires 12/10/12 | 11/2/2012 | \$2,000,000.00 | \$496,674.11 | \$18,395.34 | Drinking & Wastewater Assistance |
| Region 2, New Jersey | 4086DR-NJ-EPA-03, Expires 12/10/12 | 11/4/2012 | \$1,675,000.00 | \$293,037.76 | \$11,270.68 | Technical Assistance for Environmental Assessments |
| Region 2, New Jersey | 4086DR-NJ-EPA-04, Expires 03/02/13 | 11/3/2012 | \$3,500,000.00 | \$719,785.30 | \$27,684.05 | Direct Federal Assistance for oil/hazmat field ops |
| Region 2, New Jersey | 4086DR-NJ-EPA-05, Expires 12/08/12 | 11/08/2012 | \$1,275,000.00 | \$743,311.18 | \$37,165.56 | REOC |
| | | | | | | |
| Region 2, New York | 4085DR-NY-EPA-02, Expires 12/30/12 | 11/04/2012 | \$2,400,000.00 | \$1,425,246.38 | \$49,146.43 | ESF-10 EOC deployment and assessment assistance in NY |
| Region 2, New York | 4085DR-NY-EPA-01, Expires 12/01/12 | 11/2/2012 | \$300,000.00 | \$38,950.26 | \$1,442.60 | Drinking & Wastewater Assistance |
| Region 2, New York | 4085DR-NY-EPA-04, Expires 12/04/12 | 11/7/2012 | \$3,100,000.00 | \$470,313.93 | \$19,596.41 | Technical Assistance for Environmental Assessments |
| Region 2, New York | 4085DR-NY-EPA-03, Expires 12/01/12 | 11/7/2012 | \$7,600,000.00 | \$2,698,490.86 | \$103,788.11 | Direct Federal Assistance for oil/hazmat field ops |
| Region 2, New York | 4085DR-NY-EPA-05, Expires 12/05/12 | 11/09/12 | \$75,000.00 | \$2,905.00 | \$152.89 | Dewatering Ops |
| TOTALS | | | \$22,330,000.00 | \$7,255,265.22 | \$226,727.04 | |

2.5 Other Command Staff

2.5.1 Safety Officer

Provided safety orientation to incoming OSC's. Safety visited the PVSC power washing operation today. Safety coordinated with NJ Ops on the boat ops tomorrow and the boat safety plan. Safety also reviewed Viper E-Bam air monitoring data for debris test burn.

2.5.2 Liaison Officer

EPA is continuing to monitor the progress of the outstanding Mission Assignments with FEMA. This included the attendance of associated meetings as deemed appropriate. During the next operational period, EPA will continue to staff the ESF-10 desk at the NYS/FEMA EOC.

2.5.3 Information Officer

The PIO is Pat Seppi and can be reached at (646)369-0068. There were many media inquiries, mostly concerning Congressman Nadler's request that EPA get involved in cleaning mold from affected houses. Other media inquiries concerned the press release dealing with the air burn. Public Affairs worked on the air burn narrative and hopes to post it tomorrow along with the data. The flyer for the new staging area at Jacob Riis Park was approved but it is not definite at this point that the new location will be utilized. The original HHW flyer for Suffolk County was revised to include the new date for closure for 3 of the 4 collection

areas. There were 5 CIC/RSCs in the Rockaways today with their most extensive outreach at Breezy Point. There was also a CIC in Suffolk/Nassau counties.

3. Participating Entities

3.1 Unified Command

As of close of business November 28, 2012, EPA is no longer participating in the established Unified Command with the United States Coast Guard Sector New York. Should future requests require EPA support, EPA resources will be made readily available.

3.2 Cooperating Agencies

EPA is coordinating with a host of agencies on numerous efforts to assess, respond, recover, and mitigate environmental threats caused by Hurricane Sandy. Federal partners include FEMA, Army Corp. of Engineers, USCG, NOAA, and others. State agencies that EPA is coordinating efforts with include Departments of Health, Transportation, Sanitation, Parks, NYSDEC, NJDEP, Emergency Management, and others. County and local officials are also integrated in decision making and tactical assessments of situations.

4. Personnel On Site

Personnel on Site:

| Region/State | Current EPA Personnel In Field (All Venues other than EPA Offices) | Current EPA Contractor Personnel In Field | EPA Personnel in REOC | Contractor Personnel in REOC | Total |
|-------------------|--|--|--------------------------|---------------------------------|------------|
| Region 2 | | | 57 | 33 | 90 |
| New York | 22 | 133 | | | 155 |
| New Jersey | 8 | 33 | | | 41 |
| Total | 30 | 166 | 57 | 33 | 286 |

Number of EPA Personnel Deployed to Region 2 – Hurricane Sandy (11/28/12)

| | OSCs | RMs | PIOs | Water Specialists | GIS Specialists | RPMs | CICs | Other (field capable) | Other (not field capable) | Total by Region |
|---------------------------|-----------|----------|----------|-------------------|-----------------|----------|----------|-----------------------|---------------------------|-----------------|
| Region 1 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 7 |
| Region 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 5 |
| Region 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Region 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Region 6 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| Region 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Region 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Region 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Region 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| ERT | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 4 |
| RTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Total by job title | 16 | 1 | 2 | 1 | 1 | 0 | 0 | 6 | 3 | 30 |

5. Definition of Terms

Definition of Terms

Assisting and Cooperating Agencies - Agencies who are assisting the EPA response, but are not a part of Unified Command.

E Goods - Electronic machines which contain hazardous components. Emergency Response - any activity undertaken by the Operations Section which mitigated an immediate threat to human health or the environment.

FRP - Facility Response Plan. Under the Clean Water Act, as amended by the Oil Pollution Act, a plan for responding, to the maximum extent practicable, to a worst case discharge, and to a substantial threat of such a discharge, of oil. Required by certain facilities that store and use large quantities of oil.

Household Hazardous Waste - Small quantity waste from households that contain corrosive, toxic, ignitable, or reactive ingredients is hazardous. This includes pesticides, paint, solvents, etc.

Hazardous Debris - Debris which contains compounds that make it inappropriate for municipal landfill disposal

Monitoring - Using equipment which will give limited real-time information about constituents in environmental media. This method is used most often for air and water testing.

RCRA - Resource Conservation and Recovery Act.

RMP- Risk Management Plan. Under the Clean Air Act, certain facilities with large quantities of toxic potentially air born chemicals whose releases may impact human populations are required to submit to EPA a plan for hazard assessment, prevention, and emergency response.

Sampling -The process of taking environmental media for analysis at a laboratory of its constituents. These tests may require multiple days to complete, but test for a wider array of constituents than monitors.

Small Container - any container with a potential capacity of less than 5 gallons.

TRI - Toxic Release Inventory - A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

Unified Command - A structure based on the Incident Command System (ICS) that brings together the Incident Commanders of all major organizations involved in the

incident in order to coordinate an effective response, while at the same time allowing each to carry out their own jurisdictional, legal, and functional responsibilities.

White Goods - Large home electronics such as refrigerators, washing machines, and dryers.

WW - Wastewater Treatment Facilities

6. Additional sources of information

It is believed that all community drinking water and wastewater treatment system assessments have been completed. Therefore, these data will no longer be reported.

ADDITIONAL INFORMATION:

WEBSITE: <http://www.epaosc.org/HurricaneSandy>

INSTRUCTIONS FOR EPAOSC.NET:

If you do not have a password or have never used the EPAOSC.net website before, you will need to click the login button on the top right of the web page. Once on the login page, you will need to click on REGISTER HERE, provide the information requested and submit. This submits your request to ERT, and they will generate a user ID and password for you to enter the private side of the Website. In less than 10 minutes after registering, you should receive an e-mail from ERT SUPPORT providing the information (login and password). At this point you can then enter the website: www.epaosc.net, click on log in, then enter your information. Once logged in, click on websites, then click on Region 2. The Hurricane Irene website should be one of the first ten websites that pop up, if not, you can scroll down to find the site. Click on Hurricane Sandy. Once on the site, you can navigate to the documents that will be stored there.

FlexViewer :

WEBSITE: http://www.epa.gov/geospatial/ermaps/Region2_HurricaneSandy/

The EPA Region 2 Common Operating Picture is now available on FlexViewer. This interactive display is constant being updated with various information pertaining to assessments, resource locations, EOC locations, status of remedial/removal sites, water treatment facility locations, and many other. Individuals located within the EPA network may view the display and create their own maps, however the COP located in the Situation Unit adjusts to the needs of the operations.

If you find that you are having trouble viewing the website, please contact the EPA duty officer at (732) 906-6850

EPA Edison REOC

732-906-6850

| | |
|---|--------------|
| Afterhours Notifications, National Response Center (NRC) | 800-424-8802 |
| Deputy Regional Incident Coordinator (DRIC) for NY, Neil Norrell | 908-420-4512 |
| Deputy Regional Incident Coordinator (DRIC) for NY, Bonnie Hriczko | 908-420-4450 |
| Deputy Regional Incident Coordinator (DRIC) for NJ, Christopher Jimenez | 908-420-4484 |
| Deputy Regional Incident Coordinator (DRIC) for NJ, Kelli Lucarino | 908-421-2628 |
| NY JFO (Queens), Michael Solecki, OSC | 908-420-4501 |

NJ JFO (Middletown), Carl Pellegrino, OSC

908-420-4462

REPORTING SCHEDULE

Situation Reports are due out at 2300 hrs at the conclusion of that operational day.

7. Situational Reference Materials

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at www.epaosc.org/HurricaneSandy.